

STUDY

MAANDVERBANDEN NACHT



1. FOREWORD

The aim of this study is to compare, on the basis of chemical and physical analysis and ability tests at use, quality level and the performances of 3 maxi night sanitary towels.

TESTED PRODUCTS:



SAMPLE INTIGENA (ALDI PRODUCT)

FRAU SERVVRANCKX MUSTER ZUR
AUSSCHREIBUNG LOFT DAMENBINDEN
ART.2777 EXTRA LANG REF: 325-2017-
00055780

Reference: ART.N°2777/EXTRA LANG ZONDER
VLEUGELS

Supplier name: SUPPLIER N°503760/HUIDIG
INTIGENA

Batch N°: ABSENT

Barcode N°:



ALWAYS MAXI NIGHT (BENCHMARK)

SERVIETTES NIGHT SANS AILETTES X 12
REF : 325-2017-00055782

Reference: ART.N°2777/MAXI NIGHT ZONDER
VLEUGELS

Supplier name: SUPPLIER N° / BENCH ALWAYS
P&G

Batch N°: 7 103 0314 12 14:21

Barcode N°: 4015400057369



ALWAYS MAXI (BENCHMARK)

SERVIETTES LONG AVEC AILETTES X 15
REF : 325-2017-00055783

Reference: ART.N°2777/MAXI MET VLEUGELS

Supplier name: SUPPLIER N° / BENCH ALWAYS

P&G

Batch N°: 7 082 0314 12 14:10

Barcode N°: 4015400428657

The study is based on:

- Sampling and conditioning - Preparation - ISO 186 - XP ENV 12625-2 - ISO 187 - (CH03M)
SOP Reference: P04.1.MOP.06285.10
- Global characteristics of feminine hygiene products - Dimensional measurement - (CH024)
SOP Reference: P04.1.MOP.00031.08
- Mass determination (diapers and similar disposable products) - Gravimetry - NF Q 34-011:1985-12 - (CH01V)
SOP Reference: P04.1.MOP.06267.04
- Adhesiveness on cotton and polyamide - Mechanical - NF Q 34-013 modified - (CH01W)
SOP Reference: P04.1.MOP.00259.12
- Sticking/adherence at use on cotton and polyamide - Mechanical - (CH01Y)
SOP Reference: P04.1.MOP.00564.11
- Hygiene feminine NIGHT simulation test (4 trials) - Automatic test bench - (CH609)
SOP Reference: P04.1.MOP.01021.07
- Protection at contact night - Automatic test bench - (CH118)
SOP Reference: P04.1.MOP.00089.11

2. SYNTHESIS/CONCLUSION

According to the study carried out on maxi night sanitary towel, the products can be ranked as follows:

Product / Brand	Description	Quality Balance Score/5	Quality level	Strength(s)	Weakness(es)
SAMPLE INTIGENA (ALDI PRODUCT)	FRAU SERVIRANCKX MUSTER ZUR AUSSCHREIBUNG LOFT DAMENBINDEN ART.2777 EXTRA LANG REF: 325-2017-00055780	4.6	Very satisfactory	Its absorption and protection	Its low total external length and pad length Its low length of the glue deposit
ALWAYS MAXI NIGHT (BENCHM ARK)	SERVIETTES NIGHT SANS AILETTES X 12 REF : 325-2017-00055782	4.6	Very satisfactory	Its absorption and protection	Its too high pad width Its too high resistance to the unsticking on cotton
ALWAYS MAXI (BENCHM ARK)	SERVIETTES LONG AVEC AILETTES X 15 REF : 325-2017-00055783	3.8	Satisfactory	Its protection	Its low pad weight Its low total external length Its too high resistance to the unsticking on cotton Its low absorption in lying down position (on the back)

Conclusion:

INTIGENA (ALDI product) presents a very satisfactory performance level and is comparable to Always (benchmark).

3. COMMENTS

According to this study, the following points are highlighted:

SAMPLE INTIGENA (ALDI PRODUCT):

The product **SAMPLE INTIGENA** presents a very satisfactory quality balance towards consumers' technical targets.

Regarding its technical data sheet, the product **SAMPLE INTIGENA** is **in-compliance**.

■ IMPROVEMENT PROPOSAL PRODUCT SAMPLE INTIGENA:

- Its rather short dimensions (total external length, pad length and length of the glue deposit) which could reduce its adaptation to the anatomy of the consumer and its practicality.

Remark:

- We note that this product has a surface veil composed by a non-woven.*
- We note that this product has a decorated silicone paper compared to the other products of the study.*

ALWAYS MAXI NIGHT:

The product **ALWAYS MAXI NIGHT** presents a very satisfactory quality balance towards consumers' technical targets.

■ IMPROVEMENT PROPOSAL PRODUCT ALWAYS MAXI NIGHT:

- Its too high pad width,***
- Its too high resistance to the unsticking on cotton.***

Remark:

- We note that this product has a surface veil composed by a micro-perforated film.*
- We note that this product is decorated.*
- We note that this product has a silicone paper stuck on to the clean pack.*

ALWAYS MAXI:

The product **ALWAYS MAXI** presents a satisfactory quality balance towards consumers' technical targets.

■ IMPROVEMENT PROPOSAL PRODUCT ALWAYS MAXI:

- *Its low pad weight,*
- *Its low total external length,*
- *Its too high resistance to the unsticking on cotton,*
- *Its low absorption in lying down position (on the back).*

Remark:

- *We note that this product has a surface veil composed by a micro-perforated film.*
- *We note that this product is decorated.*
- *We note that this product has a silicone paper stuck on to the clean pack.*
- *We note that this product is the only one of the study to have wings.*
- *We note that this product has lower absorption than the ALWAYS MAXI NIGHT product. That is in accordance with the labelling which indicates 5 drops for the ALWAYS MAXI product against 6 drops for the ALWAYS MAXI NIGHT product.*

4. QUALITY BALANCE

Marking scale

APPRECIATION	SCALE
Very unsatisfactory Unsatisfactory Correct Satisfactory Very satisfactory	From 1 to 2 From 2,1 to 3 From 3,1 to 3,7 From 3,8 to 4,2 ≥ 4,3

Parameters of study	ASPECT / COMFORT	ADAPTATION TO THE ANATOMY / PRACTICALITY	ABSORPTION / KEEP IN DRY	QUALITY BALANCE
Consumer's criteria	24%	16%	60%	
SAMPLE INTIGENA (ALDI PRODUCT)	4,3	3,4	5,0	4,6
ALWAYS MAXI NIGHT (BENCHMARK)	3,8	4,1	5,0	4,6
ALWAYS MAXI (BENCHMARK)	3,3	3,2	4,3	3,8

5. RESULTS

SYNTHESIS MAXI NIGHT SANITARY TOWEL

627828		627827		627828	
Brand	ALWAYS MAXI (BENCHMARK)	ALWAYS MAXI NIGHT (BENCHMARK)	INTIGENA	SAMPLE INTIGENA (ALDI PRODUCT) INTIGENA SUPPLIER N°503760	ALWAYS MAXI NIGHT (BENCHMARK) PROCTER & GAMBLE
Manufacturer	PROCTER & GAMBLE	PROCTER & GAMBLE		SANITARY TOWEL EXTRA LONG NORMAL NIGHT REF: 325-2017-00055780	SANITARY TOWEL WITH WINGS LONG X 15 REF: 325-2017-00055783
Denomination					
Batch n°					
Sampling and conditioning - Preparation - ISO 186 - XP ENV 12625-2 - ISO 187	In charge of sampling			ZC8R	ZC8R
	Date of preparation	21/07/2017		2	21/07/2017
	Number of unit per batch	2		2	4
Remarks	Number of sampled units	2		2	4
		--		--	--
	23°C +/- 1°C ; 50%HR +/- 2%HR	23°C +/- 1°C ; 50%HR +/- 2%HR		24	23°C +/- 1°C ; 50%HR +/- 2%HR
Duration of the sample conditioning h	Realization of a pre-conditioning	No		No	24
					No
Global characteristics of feminine hygiene products - Dimensional measurement	Number of products per sale unit	Sample			15
	Presence/absence of servicing bag	Absence			Absence
	Number of servicing bags	0			0
Presence of individual pouches	Presence of decoration	Absence			Clean Pack
	Pad weight g	9,02			Presence
	Acquisition area weight g	--			7,05
Average thickness of the product mm	Acquisition area weight g	--			0,87
	9,4	9,4			6,3
	Total external length mm	281			284
Total external width mm	Total external width mm	97			109
	Width (without wings) mm	--			160
	Width in striction mm	87			91
Pad total length mm	Pad total length mm	245			--
	Pad width mm	65			260
	Pad width in striction mm	58			73
Acquisition area total length mm	Acquisition area total length mm	--			60
	Acquisition area total width mm	--			176
	Acquisition area width at striction mm	--			56
Length of the glue deposit mm	Length of the glue deposit mm	207			56
	Width of the glue deposit mm	27			240
					50
Mass determination (diapers and similar disposable products) - Gravimetry - NF Q 34-911:1985-12	Date of the analysis	24/07/2017			24/07/2017
	Mass g	11,28			11,67
	Remarks	--			--
Adhesiveness on cotton and polyamide - Mechanical - NF Q 34-013 modified	Number of glue lines	1			2
	Width of the glue lines mm	30			20
	Resistance to the unsticking daN	0,36			0,69
Average of the maximum peaks on cotton daN	Average of the maximum peaks on cotton daN	0,46			0,85
	Search for spattering on cotton	Absence			Absence
	Search for fibres pulling out on cotton	Presence			Presence
Resistance to the unsticking on polyamide daN	Resistance to the unsticking on polyamide daN	0,11			0,16
	Average of the maximum peaks on polyamide daN	0,36			0,22
	Search for spattering on polyamide	Absence			Absence
Search for fibres pulling out on polyamide	Search for fibres pulling out on polyamide	Absence			Absence
Sticking/adherence at use on cotton and polyamide - Mechanical	Sticking / stability when wearing (on cotton) daN	2,0			4,0
	Sticking / adherence at use (on polyamide) daN	1,5			3,2
Hygiene feminine NIGHT simulation test (4 trials) - Automatic test bench	Before-leak absorption - lying down position - FACE DOWN ml	39,5			33,6
	Before-leak absorption - lying down position - ON THE BACK ml	30,6			21,0
	Before-leak absorption - lying down position - ON THE SIDE ml	51,1			35,2
Average absorption value night ml	Average absorption value night ml	40,4			29,9
Protection at contact night - Automatic test bench	Protection at contact night - Automatic test bench				
Average protection against contact dampness %		98			98